

# Converting Colors

XYZ(84.5903, 93.9850, 98.1789)

Have a look what the booklet for  
XYZ(84.5903, 93.9850, 98.1789)  
contains.

<b>XYZ(84.5817, 93.8774, 98.4562)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(84.5817, 93.8774,  
98.4562)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E8FDF3
RGB	232, 253, 243
RGB Percent	91%, 99%, 95%
CMY	0.0902, 0.0078, 0.0471
CMYK	0.08, 0.00, 0.04, 0.01
HSL	151°, 84%, 95%
HSV	151°, 8%, 99%
XYZ	84.5817, 93.8774, 98.4562
YIQ	245.5810, -9.3060, -7.5620

# Conversions

## Conversions Part 2

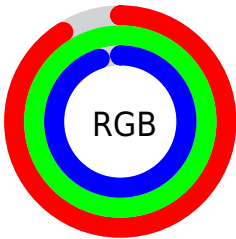
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	232, 246, 253
Decimal	15269363
CIE Lab	97.58, -8.65, 2.43
CIE LCh	98, 8.984, 164.298
Yxy	93.8774, 0.3054, 0.3390
Android (android.graphics.Color)	4293459443 (0xFFE8FDF3)
YUV	245.5810, -1.2724, -11.9105
Hunter-Lab	96.8904, -13.7342, 7.5751

# Details

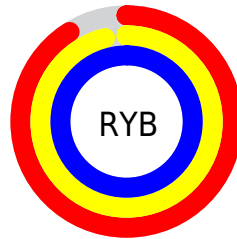
The XYZ color **84.5817, 93.8774, 98.4562** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **85.3951, 85.0092, 95.9166**, and the grayscale version is **87.2766, 91.8218, 99.9939**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.6141, 52.2978, 54.6514** is the 20% darker color. If you saturate the color by 10%, you get **75.1928, 89.2433, 88.8279**, and if you desaturate by 10%, it is **94.4170, 98.7341, 108.6890**.

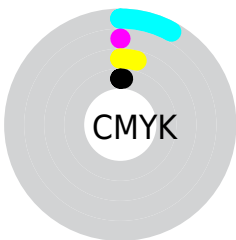
# Distribution



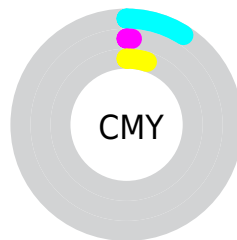
- Red (91%)
- Green (99%)
- Blue (95%)



- Red (91%)
- Yellow (96%)
- Blue (99%)



- Cyan (8%)
- Magenta (0%)
- Yellow (4%)
- Black (1%)



- Cyan (9%)
- Magenta (1%)
- Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 84.5817, 93.8774, 98.4562 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 84.5817, 93.8774, 98.4562 by changing the saturation by 10% instead.



84.5817, 93.8774,  
98.4562

84.5817, 93.8774,  
98.4562

498.7475,  
540.5648, 576.4360

63.8171, 71.2010,  
74.4022

138.7056,  
152.7128, 161.0674

46.7637, 52.5062,  
54.6245

172.7957,  
189.6405, 200.4616

33.0561, 37.4087,  
38.7046

212.0584,  
232.0875, 245.8063

22.3288, 25.5241,  
26.2239

256.8590,  
280.4381, 297.5200

14.2167, 16.4680,  
16.7640

307.5628,  
335.0768, 356.0213

8.3542, 9.8559,  
9.9062

364.5353,

4.3761, 5.3035,

396.3879, 421.7287

5.2320

428.1417,  
464.7557, 495.0608

■ 1.9171, 2.4264,  
2.3229

■ 0.5867, 0.8394,  
0.7440

■ 84.5817, 93.8774,  
98.4562

■ 84.5817, 93.8774,  
98.4562

■ 75.1928, 89.2433,  
88.8279

94.4170, 98.7341,  
108.6890

■ 67.0504, 85.2356,  
79.8676

■ 60.1010, 81.8297,  
71.5627

■ 54.2839, 78.9945,  
63.8977

■ 49.5327, 76.6961,  
56.8564

■ 45.7741, 74.8970,  
50.4219

■ 42.9246, 73.5544,  
44.5763

■ 40.8858, 72.6181,  
39.3005

■ 39.5222, 72.0183,  
34.5730

# Harmonies

## Analogous

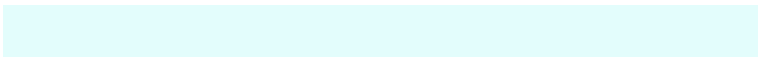
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.8407, 93.8774, 92.4745



84.5817, 93.8774, 98.4562



84.5516, 93.8774, 105.7305

# Triad

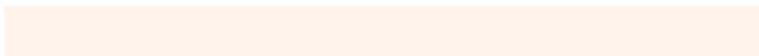
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.5817, 93.8774, 98.4562



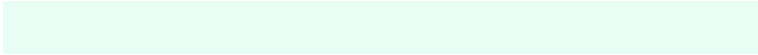
90.4463, 93.8774, 116.4643



92.7899, 93.8774, 92.7027

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



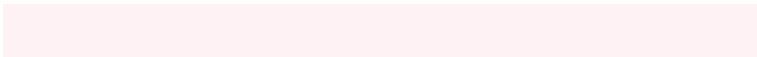
84.5817, 93.8774, 98.4562



85.3951, 85.0092, 95.9166

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



94.0730, 93.8774, 98.7813



84.5817, 93.8774, 98.4562



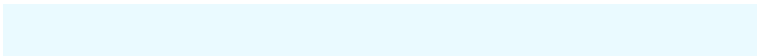
92.7025, 93.8774, 112.6198

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



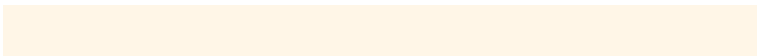
84.5817, 93.8774, 98.4562



87.9048, 93.8774, 116.3670



94.0407, 93.8774, 106.0714



90.5637, 93.8774, 89.2624

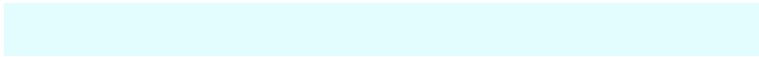


# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



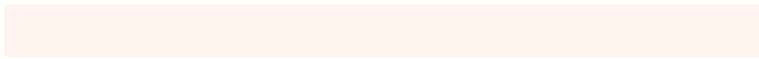
84.5817, 93.8774, 98.4562



85.2307, 93.8774, 110.3508



94.0407, 93.8774, 106.0714



93.3476, 93.8774, 94.4921

# Sweetspot

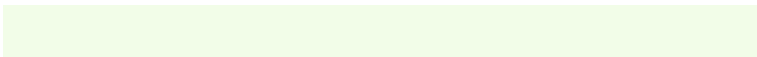
The Sweet Spot groups the original color and five complimentary colors.



84.5843, 93.8814, 98.4583



92.8098, 98.8901, 106.7666



86.3636, 94.9848, 90.1275



19.8886, 21.1782, 22.8749



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

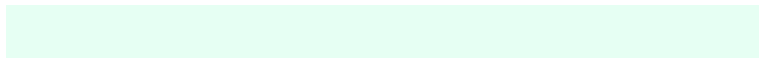


# Same Dimension

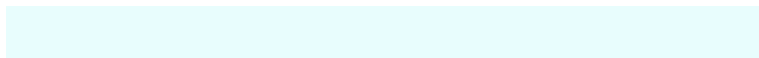
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.5843, 93.8814, 98.4583



84.3886, 94.7227, 98.5145



86.0265, 94.2816, 106.5972



18.1690, 20.3271, 21.1928



20.9933, 38.2939, 18.3820



2.0993, 3.7506, 2.0807



# Inverse Universe

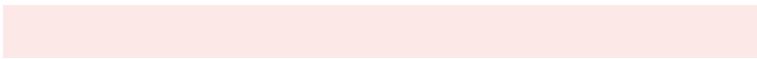
The Inverse Universe completely reimagines the original color for something new.



85.3951, 85.0092, 95.9166



85.3717, 83.9652, 95.4328



84.0317, 84.6217, 88.2501



18.3696, 18.1312, 20.5637



23.4410, 11.8657, 10.9729

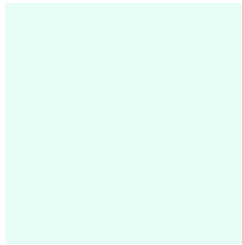


2.3371, 1.1772, 1.3568



# Previews

## White Background



This preview shows how the XYZ color 84.5817, 93.8774, 98.4562 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

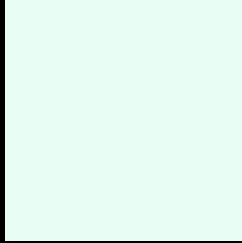
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 84.5817, 93.8774, 98.4562 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

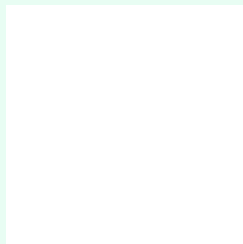
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 84.5817, 93.8774, 98.4562

## Background



This preview shows how black text looks on a background with the XYZ color 84.5817, 93.8774, 98.4562.



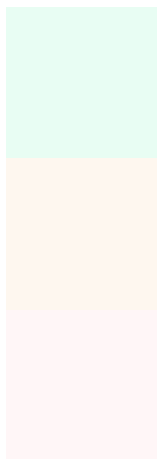
This preview shows how white text looks on a background with the XYZ color 84.5817, 93.8774,

98.4562.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

84.5817, 93.8774, 98.4562

### Protanopia

89.7138, 93.8244, 95.0428

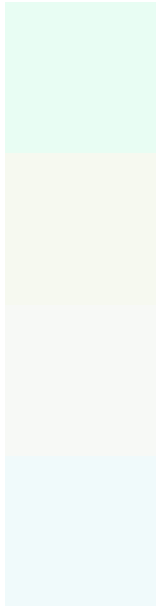
### Deuteranopia

90.9843, 93.8869, 101.3223

## Tritanopia

88.9256, 93.5879, 107.9851

# Trichromacy



## Original Color

84.5817, 93.8774, 98.4562

## Protanomaly

87.6099, 93.6355, 95.8940

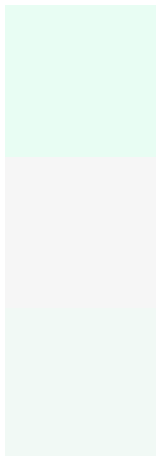
## Deuteranomaly

88.8680, 94.1793, 100.6834

## Tritanomaly

87.5334, 93.8615, 104.7704

# Monochromacy



## Original Color

84.5817, 93.8774, 98.4562

## Achromatopsia

87.5964, 92.1582, 100.3603

## Achromatomaly

86.6327, 93.0447, 99.7796

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 84.5817, 93.8774, 98.4562 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(232, 253, 243)` looks like.

```
.text, #text, p{  
    color:rgb(232, 253, 243)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(232, 253, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 253, 243) }
```

## Border

The CSS property to change the border of an element to XYZ 84.5817, 93.8774, 98.4562 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(232, 253, 243) }
```



If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(232, 253, 243) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(232, 253, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 253, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 253, 243);  
box-shadow:4px 4px 4px 4px rgb(232, 253,  
243) }
```

# Background

The CSS property to change the background color of an element to XYZ 84.5817, 93.8774, 98.4562 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 253, 243) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(232,  
253, 243) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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